

Figure 1a. The Structures of Isovaleramide and Related Compounds.

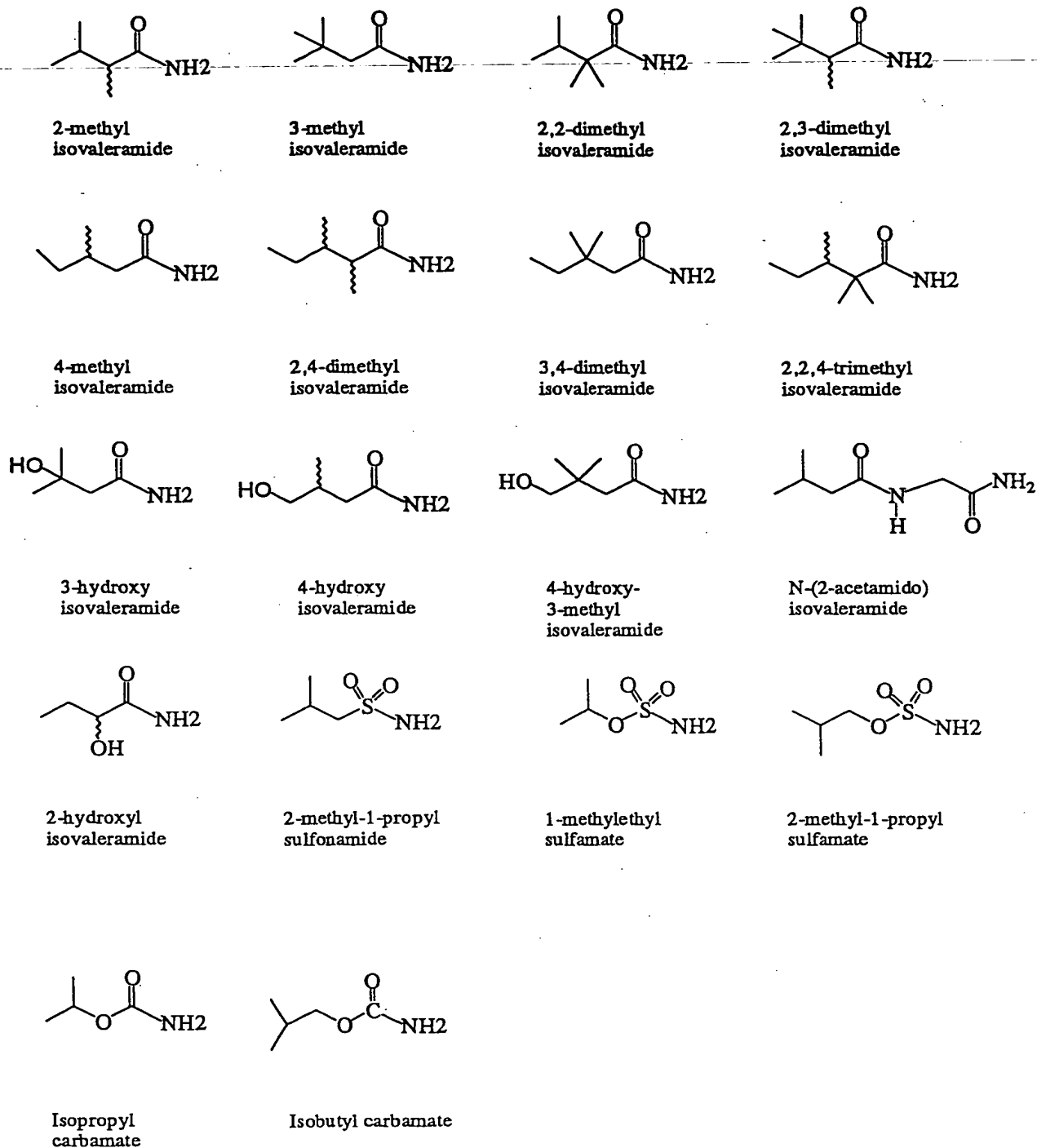


Figure 1b: Structures of compounds structurally related to isovaleramide

NPS 1776 Formulation II (Coated 400 mg Tablet)
 Clinical Batch Dissolution in SGF only (n=1), SIF only (n=1), and 2 Stage Media (n=6)

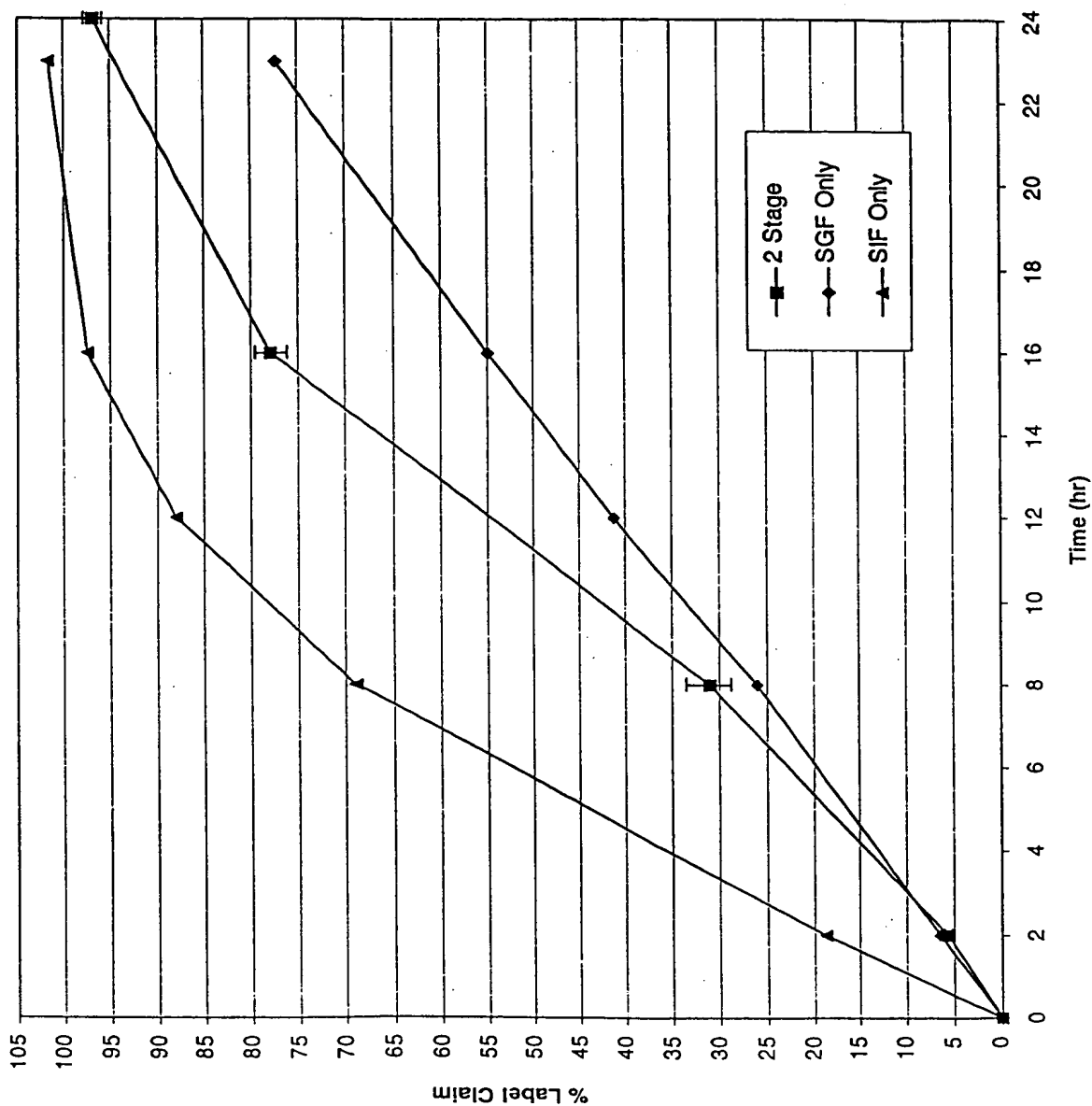
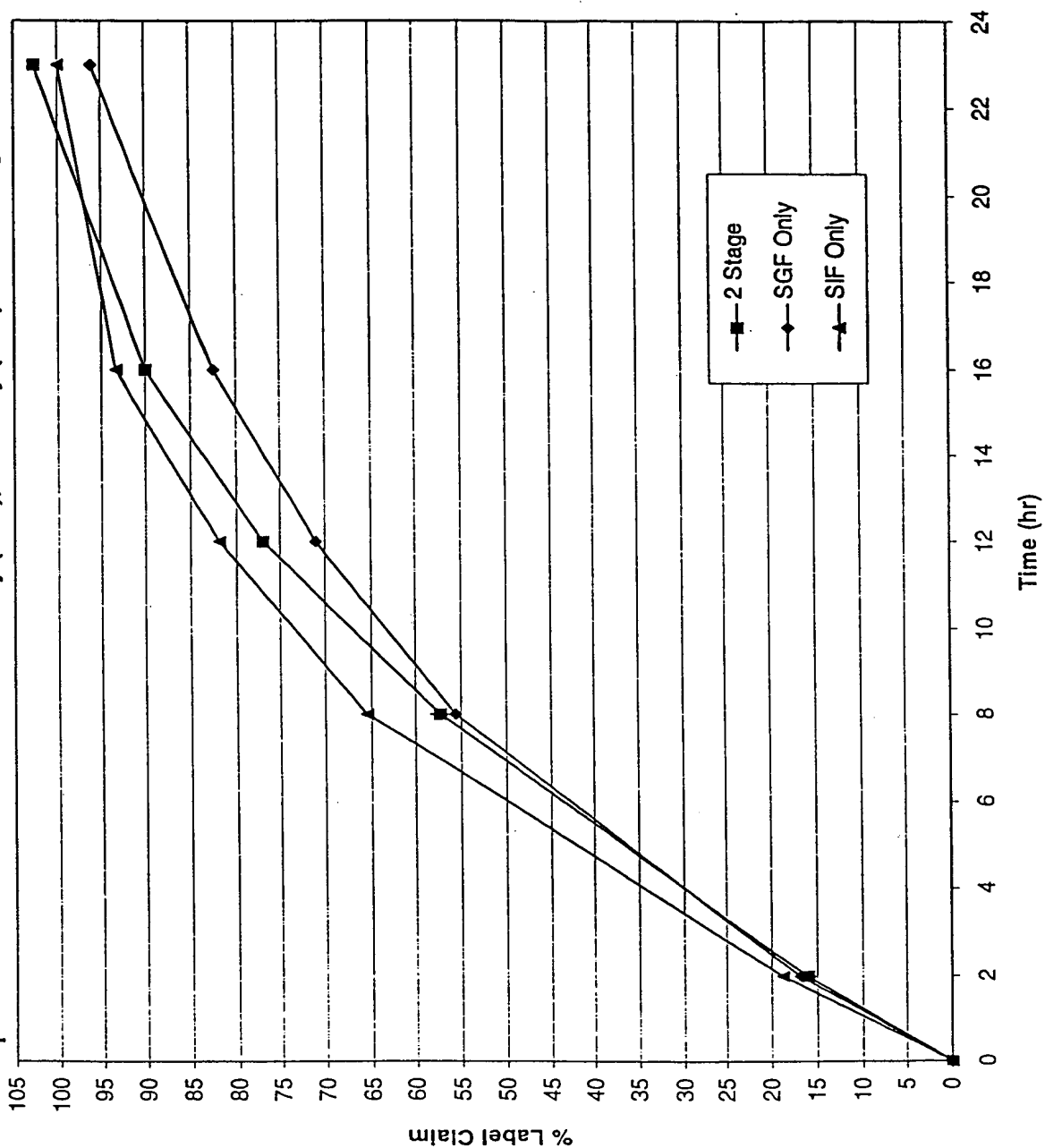


Figure 2:

Figure 3. NPS 1776 Formulation III (Coated 600 mg Tablet) Development Batch Dissolution in SGF only (n=1), SIF only (n=1), and 2 Stage Media (n=2)



The graph displays the percentage of label claim remaining over a 24-hour period for different coat concentrations (1%, 4%, 6%, 8%) and SIF treatments. The y-axis represents '% Label Claim' from 0 to 110, and the x-axis represents 'Time (hr)' from 0 to 24. The legend indicates six data series: 1% Coat SGF (filled diamond), 1% Coat SIF (open diamond), 4% Coat SGF (filled triangle), 4% Coat SIF (open triangle), 6% Coat SGF (filled square), and 6% Coat SIF (open square). The 1% Coat SIF series shows the highest retention, while the 8% Coat SGF series shows the lowest.

Time (hr)	1% Coat SGF	1% Coat SIF	4% Coat SGF	4% Coat SIF	6% Coat SGF	6% Coat SIF
0	0	0	0	0	0	0
2	95	100	90	95	85	90
4	90	100	85	90	80	85
6	85	100	80	85	75	80
8	80	100	75	80	70	75
10	75	100	70	75	65	70
12	70	100	65	70	60	65
14	65	100	60	65	55	60
16	60	100	55	60	50	55
18	55	100	50	55	45	50
20	50	100	45	50	40	45
22	45	100	40	45	35	40
24	40	100	35	40	30	35

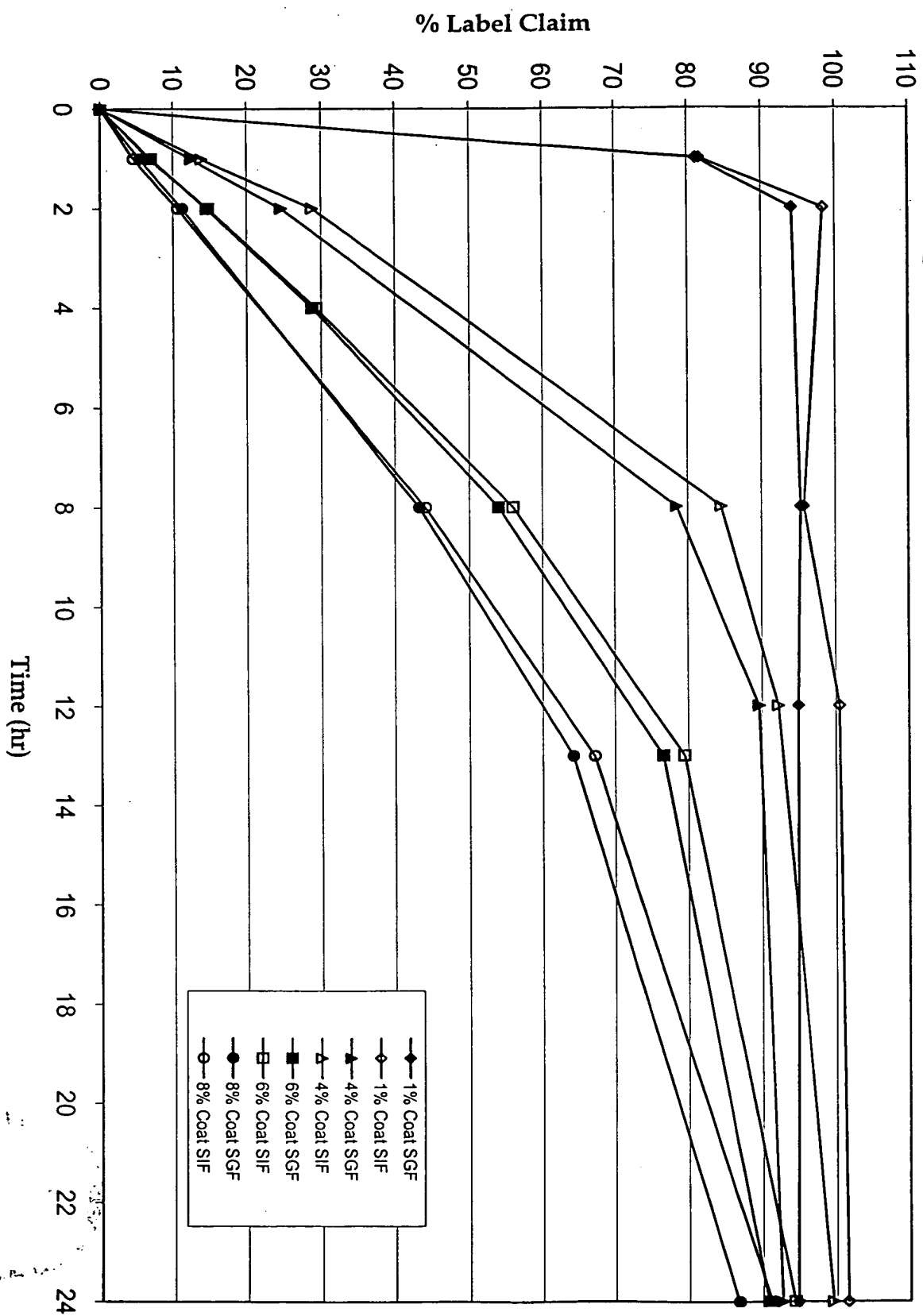


Figure 5. NPS 1776 Release From Coated MPC Formulations

